




| EAST - [default.wsp:1]  |      |     |      |  |       |                     |          |                  |     |
|---|------|-----|------|--|-------|---------------------|----------|------------------|-----|
| File View Edit Tools Window Help  |      |     |      |  |       |                     |          |                  |     |
|    |      |     |      |  |       |                     |          |                  |     |
| <input type="checkbox"/> BRS form <input type="checkbox"/> IS&R form <input type="checkbox"/> Image <input type="checkbox"/> Text <input type="checkbox"/> HTML |      |     |      |  |       |                     |          |                  |     |
|   | Type | L # | Hits | Search Text  | DBs   | Time Stamp          | Comments | Error Definition | Err |
| 8   | BRS  | L8  | 0    | 125i-hbs   | USPAT | 2003/09/04<br>16:42 |          |                  | 0   |
| 9   | BRS  | L9  | 2255 | hbs  | USPAT | 2003/09/04<br>16:43 |          |                  | 0   |
| 10  | BRS  | L10 | 3    | iodine near6 hbs   | USPAT | 2003/09/04<br>16:43 |          |                  | 0   |
| 11  | BRS  | L11 | 533  | benzenesulfon\$ near8<br>(iodine or iodo)                  | USPAT | 2003/09/04<br>16:45 |          |                  | 0   |
| 12  | BRS  | L12 | 2915 | radioiod\$   | USPAT | 2003/09/04<br>16:44 |          |                  | 0   |
| 13  | BRS  | L13 | 2    | 11 and 12  | USPAT | 2003/09/04<br>16:44 |          |                  | 0   |
| 14  | BRS  | L14 | 1    | benzenesulfonic near8<br>hydroxy near8 (iodine or<br>iodo) | USPAT | 2003/09/04<br>16:45 |          |                  | 0   |
| 15  | BRS  | L15 | 7    | hydroxybenzenesulfon\$<br>near8 (iodo or iodine)           | USPAT | 2003/09/04<br>16:47 |          |                  | 0   |

☒ Hits
 ☒ Details
 ☐ HTML

Ready

NUM

- Pending
- Active
  - L1: (1) ("4574
  - L2: (767) hydr
  - L3: (6) hydrox
- Failed
- Saved
  - (1) ("5468468"
  - (3699) proteog
  - (0) (("5468468
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  - (12923) chemil
  - (20885) chemil
  - (4) (("5468468
  - (20887) chemil

Infuser 10 can be used to infuse radioactive fluids into an implanted balloon, such as the balloon of U.S. Pat. No. 5,611,767 for example, for use in providing brachytherapy treatment to a patient as follows. A shielded syringe, such as syringe 90, is loaded with a material containing a predetermined radionuclide, for example, I-125, I-131, Yb-169 or other source of radiation, such as radionuclides that emit photons, beta particles, gamma radiation, or other therapeutic rays. The radioactive material contained within syringe 90 can be a fluid made from any solution of radionuclide(s), e.g., a solution of I-125 or I-131. A radioactive fluid can also be produced using a slurry of a suitable fluid containing small particles of solid radionuclides, such as Au-198, Y-90. Moreover, the radionuclide(s) can be embodied in a gel. One radioactive material useful in the invention is Iotrex.TM., a sterile single use, non-pyrogenic solution containing sodium 3-(<sup>125</sup>I) iodo-4-hydroxybenzenesulfonate (<sup>125</sup>-HBS), available from Proxima Therapeutics, Inc. of Alpharetta, Ga.

 BRS form
  IS&R form
  Image
  Text
  HTML

|   | U                        | 1                        | Document ID   | Issue Date | Page | Title   | Current O | Current | Retriev |             |
|---|--------------------------|--------------------------|---------------|------------|------|---|-----------|---------|---------|-------------|
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | US 6482142 B1 | 20021119   | 10   | Asymmetric radiation dosing apparatus and           | 600/3     |         |         | Winkler al. |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | US 6413204 B1 | 20020702   | 11   | Interstitial brachytherapy apparatus                | 600/3     |         |         | Winkler al. |
| 5 | <input type="checkbox"/> | <input type="checkbox"/> | US 6315979 B1 | 20011113   | 11   | Radioiodinated sulfonated phenols for brachytherapy | 424/1.85  | 600/3   |         | Simon,      |

 HLS
  Details
  HTML

> D HIST

(FILE 'HOME' ENTERED AT 16:24:31 ON 04 SEP 2003)

FILE 'REGISTRY' ENTERED AT 16:24:36 ON 04 SEP 2003

E IOTREX/CN

L1 1 S E3

FILE 'CAPLUS' ENTERED AT 16:25:17 ON 04 SEP 2003

L2 3 S IOTREX

L3 1 S IODO-4-HYDROXYBENZENSULFONATE

L4 1 S IODO(5A)HYDROXYBENZENSULFONATE

L5 1 S IODO(7A)HYDROXYBENZENSULFONATE

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